

Overview

Southwest Antennas Part # 1001-043 is a UHF Band (P Band) omni-directional half wave dipole antenna with a frequency range of 400 to 450 MHz and 2 dBi of peak gain.

This antenna features a rugged, flat black fiberglass radome with spring base, and a black chrome TNC(m) RF connector making this antenna ideal for low visibility applications.

Features:

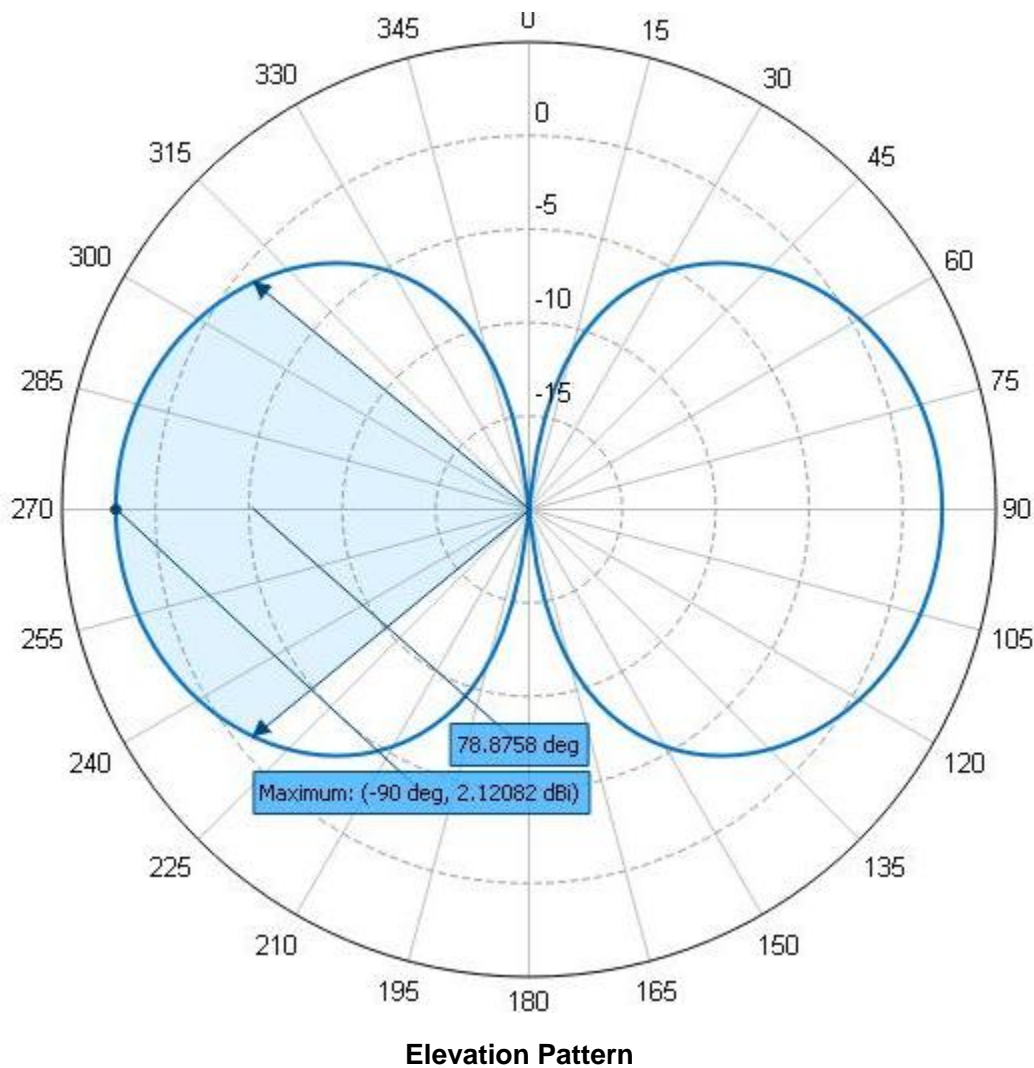
- Broad Band Coverage
- 400 - 450 MHz
- Half Wave Dipole
- 2 dBi Omni Radiation Pattern
- Rugged Construction Low-Glare Black Fiberglass Radome
- Heavy Duty Spring Base
- Black Chrome TNC(m) RF Connector

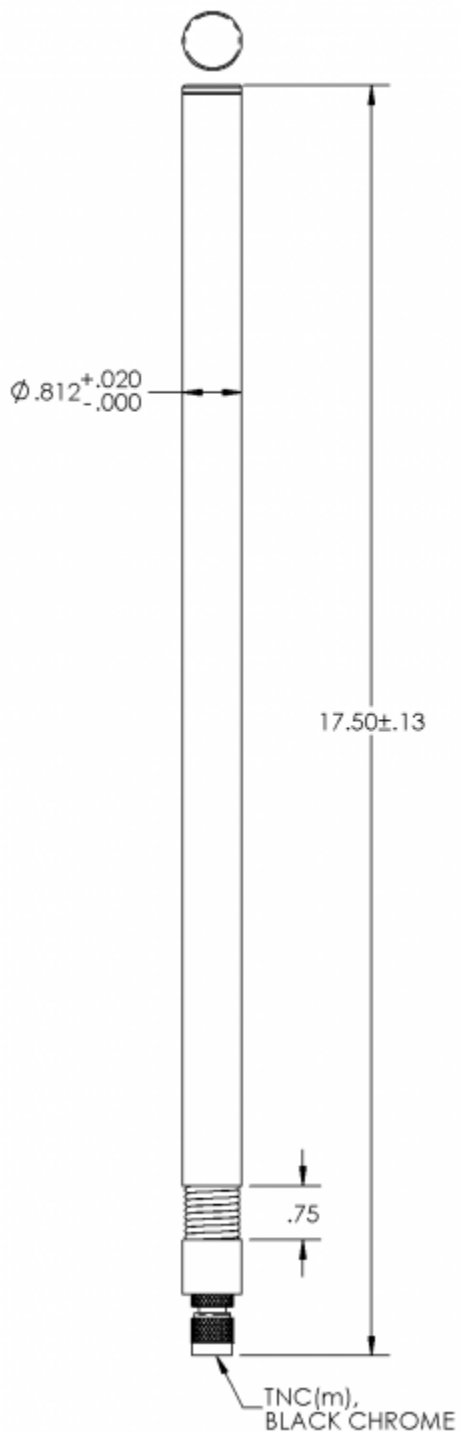


Antenna Specifications

| Parameter | Value | Units | Tolerance |
|-----------------------------|--------------|-------------|----------------|
| Antenna Pattern | Omni Antenna | | |
| Frequency Band | UHF | | |
| Impedance | 50 | Ohms | |
| Minimum Frequency | 0.4 / 400 | GHz / MHz | |
| Maximum Frequency | 0.45 / 450 | GHz / MHz | |
| Frequency Bandwidth | 0.05 / 50 | GHz / MHz | |
| Maximum VSWR | 2:1 | Ratio | |
| Maximum Gain | 2 | dBi | |
| Polarization | Vertical | | |
| Maximum RF Input Power | 50 | Watts | |
| Horizontal (AZ) Beamwidth | 360 | Degrees | |
| Vertical (EL) Beamwidth | 79 | Degrees | |
| Ground Plane Required | No | | |
| Color | Flat Black | | |
| Spring or Gooseneck | Spring | | |
| Spring Length | 0.75 / 19.05 | inches / mm | |
| Spring Diameter | 0.75 / 19.05 | inches / mm | |
| Maximum Wind Velocity | 100 / 161 | mph / kph | |
| RF Connector Type | TNC(m) | | |
| RF Connector Features | Black Chrome | | |
| Operating Temperature Range | -40 to +185 | F | (-40 to +85 C) |

| Parameter | Value | Units | Tolerance |
|----------------------------------|----------------|-------------|-----------------|
| Storage Temperature Range | -58 to +185 | F | (-50 to +85 C) |
| Product Height | 17.50 / 444.50 | inches / mm | ±0.13" |
| Product Diameter | 0.81 / 20.62 | inches / mm | +0.02" / -.000" |
| Product Weight | 7.0 / 198.4 | oz / grams | |





Engineering Drawing

All dimensions are in inches